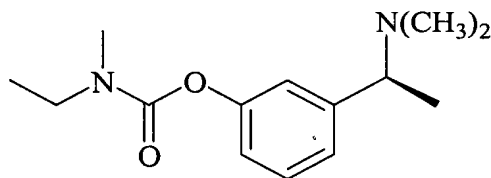


IN THE CLAIMS

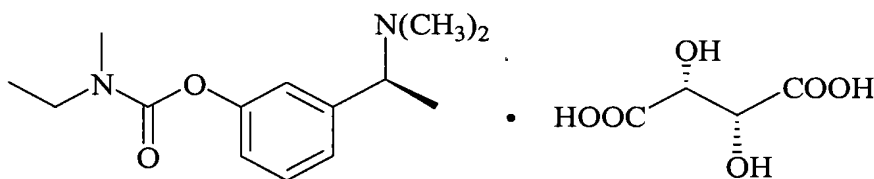
Please amend the claims as follows:

Claim 1 (Currently Amended): A method of production of (-)-(S)-3-[1-(dimethylamino)ethyl]phenyl-N-ethyl-N-methylcarbamate, ~~i.e. rivastigmine~~ of formula II



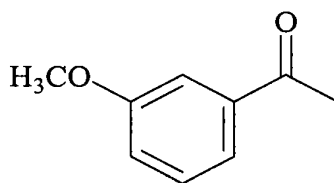
II

or of its hydrogentartrate of formula I



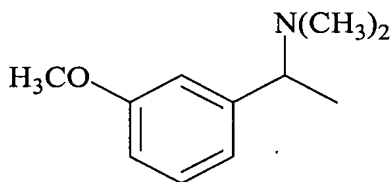
I

comprising, reductively aminating methoxyacetophenone of formula VI



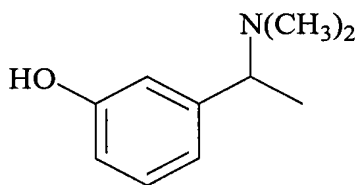
VI

to form the compound of formula V



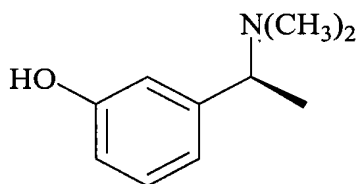
V

which is thereafter O-dealkylated to the racemic amine of formula IV



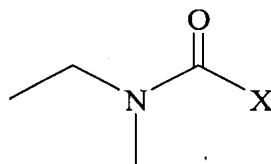
IV

which is further resolved by reacting with an optically active acid, whereafter the desired respective diastereoisomer is crystallized and finally converted into the compound of formula III



III

which, in turn, is reacted, optionally in the form of its alkali salt, with a compound of formula VII



VII

wherein X is a leaving group to produce (-)-(S)-3-[1-(dimethylamino)ethyl]phenyl-N-ethyl-N-methylcarbamide.

Claim 2 (Previously Presented): The method according to claim 1, wherein the racemic amine of formula IV is resolved by reacting with (S)-(+)-camphor-10-sulfonic acid.

Claim 3 (Previously Presented): The method according to claim 2, wherein the racemic amine of formula IV is resolved by reacting with 1 equivalent of (S)-(+)-camphor-10-sulfonic acid.

Claim 4 (Previously Presented): The method according to claim 2, wherein the racemic amine of formula IV is resolved by reacting with 0.6 equivalent of (S)-(+)-camphor-10-sulfonic acid.

Claim 5 (Previously Presented): The method according to claim 1, wherein the obtained desired respective diastereoisomer is further re-crystallized.

Claim 6 (Previously Presented): The method according to claim 5, wherein the obtained desired respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture with ethanol.

Claim 7 (Previously Presented): The method according to claim 2, wherein the obtained desired respective diastereoisomer is further re-crystallized.

Claim 8 (Previously Presented): The method according to claim 3, wherein the obtained desired respective diastereoisomer is further re-crystallized.

Claim 9 (Previously Presented): The method according to claim 4, wherein the obtained desired respective diastereoisomer is further re-crystallized.

Claim 10 (Previously Presented): The method according to claim 7, wherein the obtained desired respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture with ethanol.

Claim 11 (Previously Presented): The method according to claim 8, wherein the obtained desired respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture with ethanol.

Claim 12 (Previously Presented): The method according to claim 9, wherein the obtained desired respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture with ethanol.